Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/06/2019 10:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123586	-2	2.64	123603	2.62
Blue	F	SSC	125000	123523	-2	4.32	124315	4.21
Blue	E	FITC	16694	16238	-3	4.07	377	21.01
Blue	D	PE	32792	32221	-2	3.41	709	16.47
Blue	B	PerCP-Cy5-5	44451	43938	-2	4.82	1203	23.27
Blue	A	PE-Cy7	33645	34197	1	7.25	615	48.35
Red	C	APC	47008	46804	-1	3.19	1813	13.26
Red	A	APC-Cy7	32298	31672	-2	3.15	793	13.89
Violet	B	V450	8961	8635	-4	4.75	478	14.93
Violet	A	V500	32726	31256	-5	4.48	754	11.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20166	4.40	607	-6	N/A	N/A	Pass
Blue	F	SSC	55963	3.78	577	9	N/A	N/A	Pass
Blue	E	FITC	63	68.96	564	1	0.0172	132	Pass
Blue	D	PE	142	57.14	568	2	0.1309	290	Pass
Blue	B	PerCP-Cy5-5	221	56.72	673	2	0.0072	53	Pass
Blue	A	PE-Cy7	123	119.68	730	4	0.0089	28	Pass
Red	C	APC	414	28.34	612	-1	0.0198	139	Pass
Red	A	APC-Cy7	193	31.70	583	-2	0.0048	1153	Pass
Violet	B	V450	69	71.74	479	-7	0.0392	2029	Pass
Violet	A	V500	107	40.15	488	-8	0.0182	1027	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.33	-32.08	1.12
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.49
Red	17.25	13.60 - 20.40	N/A	N/A	29.41	29.71	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13674

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments